

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/693,532
Filing Date	2003-10-23
First Named Inventor	WALTON, J. Rodney,
Art Unit	2467
Examiner Name	SaBa Tsegaye

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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/ST/	001	US5506861	04-09-1996	BOTTOMLEY, Gregory E.	
	002	US5818813	10-06-1998	SAITO, Masafumi, et al.	
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	004	US5973638	10-26-1999	ROBBINS, David F., et al.	
	005	US6097771	08-01-2000	FOSCHINI, Gerard Joseph	
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	008	US6314113	11-06-2001	GUEMAS, Philippe	
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	019	US6940917	09-06-2005	MENON, Murali Paravath, et al.	
	020	US6990059	01-24-2006	ANIKHINDI, Santosh, et al.	
	021	US6992972	01-31-2006	VAN NEE, Richard	
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Substitute for form 1449/PTO

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/ST/	027	US20010046205	11-29-2001	EASTON; Kenneth D., et al.	
	028	US20020003774	01-10-2002	WANG; Zhaocheng, et al.	
	029	US20020064214	05-30-2002	HATTORI; Toshihiro, et al.	
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	034	US20040071104	04-15-2004	BOESEL; Robert W., et al.	
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	037	US20050120097	06-02-2005	WALTON; J. Rodney, et al.	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/ST/	039	AU2002259221	11-25-2002	QUALCOMM INC.		<input type="checkbox"/>
/ST/	040	CN1086061	04-27-1994	ERICSSON GE MOBILE COMMUNICAT.		<input checked="" type="checkbox"/>
/ST/	041	CN1489836A	04-14-2004	MATSUSHITA ELECTRIC IND. CO., LTD.		<input checked="" type="checkbox"/>
/ST/	042	EP0762701A2	03-12-1997	ADVANCED DIGITAL TELEVISION BR [JP]		<input type="checkbox"/>
/ST/	043	EP0772329	05-07-1997	DIGI-MEDIA VISION		<input type="checkbox"/>

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/ST/	044	EP0895387A1	02-03-1999	LIMITED.		<input checked="" type="checkbox"/>
	045	EP029172A1	07-14-1999	THOMSON BRANDT GMBH (DE)		<input type="checkbox"/>
	046	EP1061446	12-20-2000	LUCENT TECHNOLOGIES INC [US]		<input type="checkbox"/>
	047	EP1185015	12-20-2000	SUN MICROSYSTEMS, INC.		<input type="checkbox"/>
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	048	EP1265411	12-11-2002	SONY DEUTSCHLAND GMBH.		<input type="checkbox"/>
	049	EP1315311A1	12-11-2002	FUJITSU LTD [JP]		<input type="checkbox"/>
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	051	EP1387545A2	01-07-2004	SAMSUNG ELECTRONICS CO., LTD.		<input type="checkbox"/>
	052	EP1556984A2	02-04-2004	QUALCOMM INC [US]		<input type="checkbox"/>
	053	GB2373973A	07-27-2005	TOSHIBA RESEARCH EUROPE LIMITED.		<input type="checkbox"/>
	054	JP03104430	10-02-2002	NIPPON TELEGRAPH & TELEPHONE CORP.		<input checked="" type="checkbox"/>
	055	JP09327073	05-01-1991	N T T IDO TSUSHINMO KK.		<input checked="" type="checkbox"/>
	056	JP1028077	12-16-1997	SATO TAKURO WATANABE SOICHI ABE TAKEO.		<input checked="" type="checkbox"/>
	057	JP10327126	01-27-1998	LUCENT TECHNOLOGIES, INC.		<input checked="" type="checkbox"/>
	058	JP11205273	12-08-1998	TOSHIBA CORP.		<input checked="" type="checkbox"/>
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	060	JP2000092009A	09-17-1999	SONY CORP.		<input checked="" type="checkbox"/>
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/ST/	063	JP2002111627	03-30-2001	SONY INTERNATL		<input checked="" type="checkbox"/>
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/ST/	064	JP2002164814	06-07-2002	EUROP GMBH.		<input checked="" type="checkbox"/>
	065	JP2002204217	07-19-2002	NIPPON SOKEN INC., et al.		<input checked="" type="checkbox"/>
	066	JP200264879	02-28-2002	SK TELECOM CO LTD.		<input checked="" type="checkbox"/>
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	070	JP9266466A	10-07-1997	SUMITOMO ELECTRIC IND LTD.		<input checked="" type="checkbox"/>
	071	JP9512156T	12-02-1997	KONLE TILMAR [DE]		<input checked="" type="checkbox"/>
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	074	RU2168278	05-27-2001	KORPORATSIJA SAMSUNG EHLEKTRON.		<input checked="" type="checkbox"/>
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	077	WO02065664A2	08-22-2002	QUALCOMM INC [US]		<input type="checkbox"/>
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	079	WO0209992A1	12-12-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	080	WO03028153A1	04-03-2003	ARRAYCOMM INC [US]		<input type="checkbox"/>
	081	WO03047140A1	06-05-2003	FUJITSU LIMITED.		<input type="checkbox"/>
	082	WO04002011	12-31-2003	QUALCOMM INC [US]		<input type="checkbox"/>
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/ST/	084	WO199809395	03-05-1998	THE BOARD OF TRUSTEES OF THE		<input type="checkbox"/>

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/ST/	085	WO96035268	11-07-1996	QUALCOMM INCORPORATED.		<input type="checkbox"/>
/ST/	086	WO9824192A1	06-04-1998	TRW INC [US]		<input type="checkbox"/>
/ST/	087	WO9826523	06-18-1998	ERICSSON INC.		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ₂
/ST/	088	DIGGAVI, S. et al., "Intercarrier interference in MIMO OFDM," IEEE International Conference on Communications, 2002, Vol. 1, 485-489.	<input type="checkbox"/>
/ST/	089	European Search Report - EP09171254, Search Authority -The Hague Patent Office, 09-03-2010 (020573).	<input type="checkbox"/>
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/ST/	096	WONG K. K., et al., "Optimizing time and space MIMO antenna system for frequency selective fading channels," 2001, Sections II and III and V, 1396.	<input type="checkbox"/>
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